

**APPLICATION FOR
UNITED STATES PATENT**

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for
SPEECH RECOGNITION FRAMEWORK

Appendix A

```
// CFG for Alpha1 on 23rd June 2000.
```

```
//=====
```

```
// This sample grammar enables the speech engine to
```

```
5 recognize commands
```

```
// such as the following:
```

```
//
```

```
//1. "Open Notepad" --> returns: "100" and "Notepad".
```

```
//2. "Maximize" --> returns: "202" and "".
```

```
10 //3. "Send e-mail to Russ" --> returns: "303" and "Russ".
```

```
NB: 303=300+3.
```

```
//4. "Share view one" --> returns: "401" and "view1".
```

```
//5. "Make a conference call to Rao" --> returns: "506"
```

```
and "Rao".
```

```
15 // make a video call to Rao
```

```
// call up the conference center
```

```
//6. "Show me the model/data" --> returns: "602/3" and
```

```
"show".
```

```
"Display chart"
```

```
20 //7. "Exit Notepad" --> returns: "904" and "Notepad".
```

```
//-----
```

```
-----
```

```
// The only parse string rule. This is where everything
```

```
25 is controlled from.
```

```
[<Start>]
```

```
<Start> = [opt] (Computer) (OpenCommand) (Program) [opt]
(JunkEnd)
```

```
<Start> = [opt] (Computer) (Mail) (emailFriend) [opt]
(JunkEnd)
```

```
5      <Start> = [opt] (Computer) (openMail) [opt] (JunkEnd)
```

```
<Start> = [opt] (Computer) (show) (View) [opt] (JunkEnd)
```

```
<Start> = [opt] (Computer) (Single_video_call)
(ComputerName) [opt] (JunkEnd)
```

```
10    //<Start> = [opt] (Computer) [opt] (OpenCommand)
(Video_conference) (ComputerName) [opt]
```

```
// (ComputerName) and (ComputerName) [opt] (JunkEnd)
```

```
<Start> = [opt] (Computer) (Terminate_call) [opt]
(JunkEnd)
```

```
15    <Start> = [opt] (Computer) (share) (Running_Application)
[opt] (JunkEnd)
```

```
//-----
-----
```

```
20    [(Computer)]
```

```
= please
```

```
= computer[opt] please
```

```
= [opt] computer can you [opt] please
```

```
= [opt] computer would you [opt] please
```

```
25    = [opt] computer could you [opt] please
```

```
= [opt] computer will you [opt] please
```

[(OpenCommand)]

100=start

100=run

100=launch

100=open

[(Program)]

1=[opt] Microsoft Word "winword"

1=a Word document "winword"

2=[opt] Microsoft Excel "excel"

2=an Excel document "excel"

3=Explorer "explorer"

4=Notepad "Notepad"

[(Mail)]

300= [opt] Begin [opt] a new email to

300= [opt] Send [opt] a message to

300= [opt] Compose [opt] a new Message to

300= Send mail to

300= Send [opt] an email to

300= Start [opt] an email to

300= Compose [opt] an email to

// 350 open alert mail (in response to a prompt)

[(OpenMail)]

350= show email

350= open message

350= display the [opt] email message

350= show the [opt]email message

5 //[(Video_conference)]

//400= a conference with

//400= a video conference with

[(Single_video_call)]

10 500= [opt] start [opt] make [opt] a video call to

500= start a video conference with

500= call

500= get

15 [(Show)]

600=show [opt] me [opt] the

600=display [opt] the

600=bring up [opt] the

600=open [opt] the

20 600=switch [opt] me to [opt] the

600=I want to see the

600=go to the

[(Terminate_call)]

25 700 = hangup [opt] netmeeting

700 = terminate [opt] the call

700 = end [opt] the call

```
700 = end [opt] the conference
700 = close netmeeting
700 = close [opt] the conference
```

```
5      [(Share)]
      800= share [opt] the
```

```
//-----
```

```
10  -----
```

```
//
```

```
[(emailFriend)]
= Steve [opt] Jones "Steve Jones"
= Sam [opt] Daniels "Sam Daniels"
15  = Kim [opt] Thomas "Kim Thomas"
    = Mike [opt] Price "Mike Price"
```

```
[(ComputerName)]
1=Steve [opt] Jones "Steve"
20  2=Sam [opt] Daniels "Sam"
    3=Kim [opt] Thomas "Kim"
    4=Mike [opt] Price "Mike"
```

```
[(View)]
25  1=product view "product.one"
    2=sales view  "sales.one"
```

```
3=analysis view "channel.one"
4=default view "personal.one"
5=personal view "personal.one"
6= market view "market.one"
5 40=product model "gamma3001w.co"
```

```
[(Running_Application)]
1= desktop "desktop"
2= product model "gamma3001"
10 3= cycore model "gamma3001"
```

```
//-----
```

```
-----
```

```
15 // Using numeric-IDs in the 10-thousands, so as to avoid
possible conflicts
```

```
//[DisplayLocation]
//10000= on (screen) one
20 //10000= on main (screen)
//20000= on (screen) two
//20000= on bottom (screen)
//30000= on (screen) three
//30000= on left (screen)
25 //40000= on (screen) four
//40000= on right (screen)
```

```
//[(screen)] //used as a helper rule for DisplayLocation  
//=screen  
//=monitor  
//=area  
//=display
```

5